

MILITARY SPECIFICATION

**ADAPTER, CONNECTOR, COAXIAL,
RADIOFREQUENCY, BETWEEN SERIES,
TYPE UG-1136/U**

This specification has been approved by the Department of Defense and is mandatory for use by the Departments of the Army, the Navy, and the Air Force

1. SCOPE

1.1 This specification covers the detail requirements for type UG-1136 U, between series (series BNC to series QDS), radiofrequency, coaxial connector adapter

2. APPLICABLE DOCUMENTS

2.1 The following documents, of the issue in effect on date of invitation for bids, form a part of this specification to the extent specified herein

SPECIFICATION**MILITARY**

MIL-A-27434 — Adapters, Connector, Coaxial, Radiofrequency, Between Series, General Specification for

DRAWINGS**BUREAU OF SHIPS**

REB10021 — Gasket
REA10037 — Washer
REB10039 — Washer

REA10042 — Ring
REB10058 — Insulator
REA10177 — Insulator
REB10225 — Sleeve
REA10399 — Contact.
REA10449 — Bushing
REB10634 — Contact
REB10879 — Body

(Copies of specifications and drawings required by contractors in connection with specific procurement functions should be obtained from the procuring agency or as directed by the contracting officer)

3. REQUIREMENTS

3.1 Requirements. Requirements shall be in accordance with Specification MIL-A-27434, and as specified herein

3.2 Design and construction. The connector adapter shall be of the design, construction, and physical dimensions specified on figure 1

3.2.1 Gage tests for contacts The specified contact shall meet the gage tests for contacts specified in 4 2 to 4 2 1, inclusive

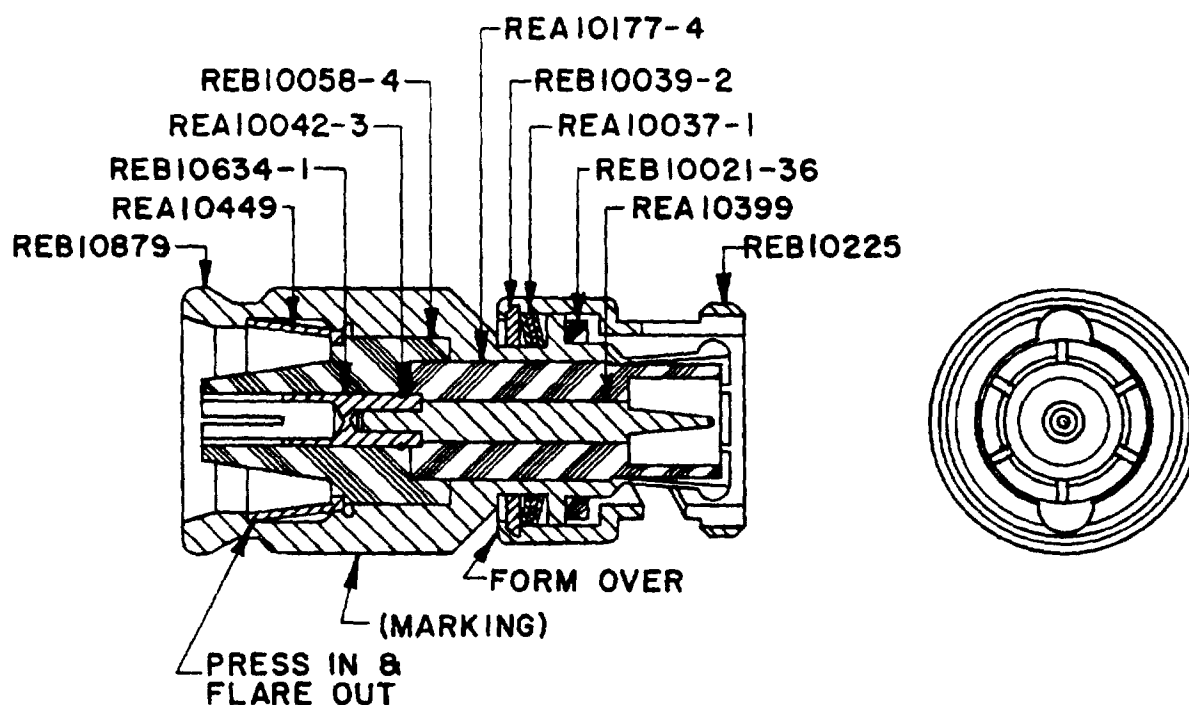


FIGURE 1 Type UG-1136/U connector adapter

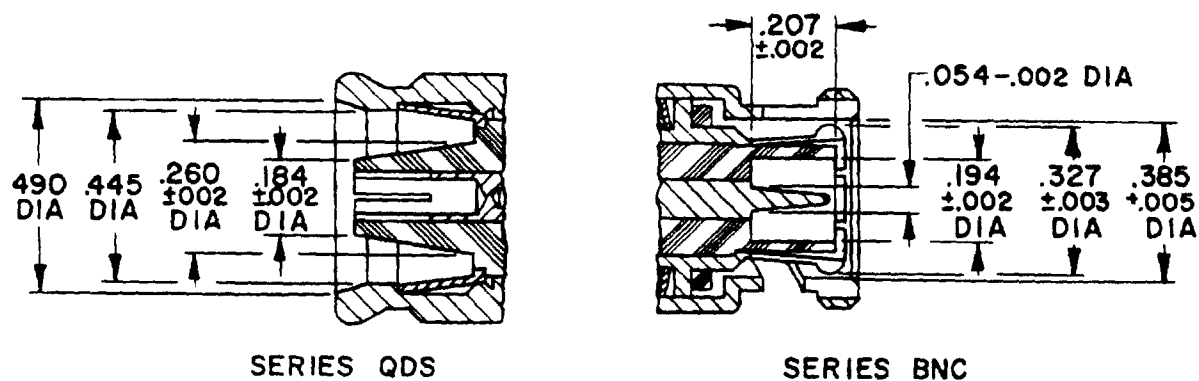


FIGURE 2 Dimensional requirements for group B inspection

- 1 All dimensions in inches
- 2 Unless otherwise specified tolerances are ± 0.005 on decimals

4. QUALITY ASSURANCE PROVISIONS

4.1 Sampling and inspection. Sampling and inspection shall be in accordance with Specification MIL-A-27434, and as specified herein

4.1.1 Group B inspection Group B inspection shall be in accordance with Specification MIL-A-27434. Mating dimensions shall be as specified in figure 2

4.2 Gage tests for contacts (applicable only to series QDS termination) (see 3.2.1). The center contact shall be subjected to the gage tests specified in 4.2.1 prior to assembly into the connector adapter. The pins used in the performance of these tests may be tapered at their ends to facilitate insertion, but the tapered portions shall not be included in the specified dimensions. All tests shall be performed in the order shown

4.2.1 A pin 0.100-inch minimum in diameter shall be inserted to a depth of 0.125-inch minimum, and then removed. The contact shall then be tested as follows

- (a) A pin 0.074-inch minimum in diameter inserted to a depth of 0.200-inch minimum shall not deflect the contact members
- (b) A pin 0.080-inch maximum in diameter inserted to a depth of 0.125-inch minimum shall make contact with all four contact members within 0.015 inch of their tip ends

- (c) A pin 0.093-inch minimum in diameter inserted to a depth of 0.062-inch minimum shall not cause the contact members to bow perceptibly

5. PREPARATION FOR DELIVERY

5.1 Preparation for delivery shall be in accordance with Specification MIL-A-27434

6. NOTES

6.1 Notes. In addition to the notes specified herein, the notes specified in Specification MIL-A-27434 are applicable to this specification

6.2 This specification covers the design of type UG-1136 U connector adapter which was previously covered by Bureau of Ships drawing REB49306

Notice. When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility nor any obligation whatsoever, and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto

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Navy—Bureau of Ships
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Preparing activity

Army—Signal Corps